HOUSING VERMONT

131 Main Street-8th Floor
Burlington, Vermont 05401

(802) 863-8424
FAX: (802) 660-9034

June 21, 1996

Chuck Schwere
VTDEC
103 so. Main St., West Building
Waterbury, VT 05671

RE: St. Albans/Marshall Ctr./ Ground Water Test

Dear Mr. Schwere:

Enclosed please find the results of the ground water testing conducted by ATC Environmental and in compliance with your directions.

According to the ATC staff, the results are good news for us. As we are nearing the end of our construction project and anxious to make final expenditures toward the improvement of the site, we would very much like to put the matter of contaminated ground water and its associated costs to rest. At your earliest convenience, please let me know what if you concur with ATC's interpretation of the results, and if any additional steps must be taken at this point.

Thanks again for all your help and informed counsel in this matter.

Sincerely,

Amy Johnston
Project Manager

cc: Liz Curry

ATC ENVIRONMENTAL INC.

June 21, 1996

Post-it™ Fax Note 7671	Date 6/20/96	# of pages ▶ 9
To AMY JOHNSTON	From JOHN ROMAN	
Co./Dept. HOUSING VT	Co. ATC ENV.	
Phone # 863-8424	Phone # 434-2113	
Fax # 660-9034	Fax # 434-2160	

ORIGINAL MAILED TODAY

Ms. Amy Johnston
Housing Vermont
131 Main Street - 8th Floor
Burlington, VT 05401

Re: Ground Water Sampling Results
Marshall Center
Fairfield Street
St. Albans, Vermont
ATC Job# 20387-0012

Dear Amy:

The following findings are presented pursuant to the ATC Environmental Inc. (ATC) June 3, 1996 proposal for ground water sampling at the above referenced site. Samples were obtained from the bottom of a re-excavated pit formally containing one 8000 gallon fuel oil tank which was recently closed by removal. This re-excavated pit measured approximately 8 feet wide by 8' feet long and 7.5 feet deep and is reported to represent the center of the initial pit excavated for the purpose of tank removal. This reexcavated pit is located on the south east corner of the parcel. Please refer to the attached site diagram which details the pit location.

Ground water elevation was observed in the sampling pit to be approximately 7.5 feet below existing site grade. Limited ground water recharge into the pit was observed to be coming from the northeast and appeared to flow to the south-southwest in the general direction of Lake Champlain. A minor sheen was observed atop the ground water at the bottom of the sampling pit. Also, dark brown to black stained soils were observed on portions of the pit wall, however no discernible petroleum odor was noted. Ground water was sampled from the bottom of the pit directly utilizing sampling collection cups to transfer grab samples into appropriate laboratory sample containers. Water samples WS-01 and WS-02 were sent to the Con Test Analytical Laboratory in East Longmeadow Mass. for analysis for total petroleum hydrocarbons by EPA (IR) Method 418.1 and for volatile organic compounds (BTEX & MTBE) by EPA Method 8020 respectively. The analysis results for WS-01 indicate that 0.50 mg/l of total petroleum hydrocarbons were detected in groundwater withdrawn from the sample pit. The analysis results for WS-02 showed the ground water to be non-detect with regard to BTEX and MTBE with laboratory detection limits for the EPA Method 8020 analysis ranging from 0.2 ug/l (benzene) through 1.0 ug/l (total xylenes).

barely above the detection limits of lab

low

low

Browns Trace Building, Rt. 2, PO Box 3 • Richmond, VT 05477 • (802) 434-2113 • FAX (802) 434-2160

Thank you for allowing ATC Environmental to be of service. Should you have any questions and require further assistance please contact me or Tom Broido at (802) 434-2113.

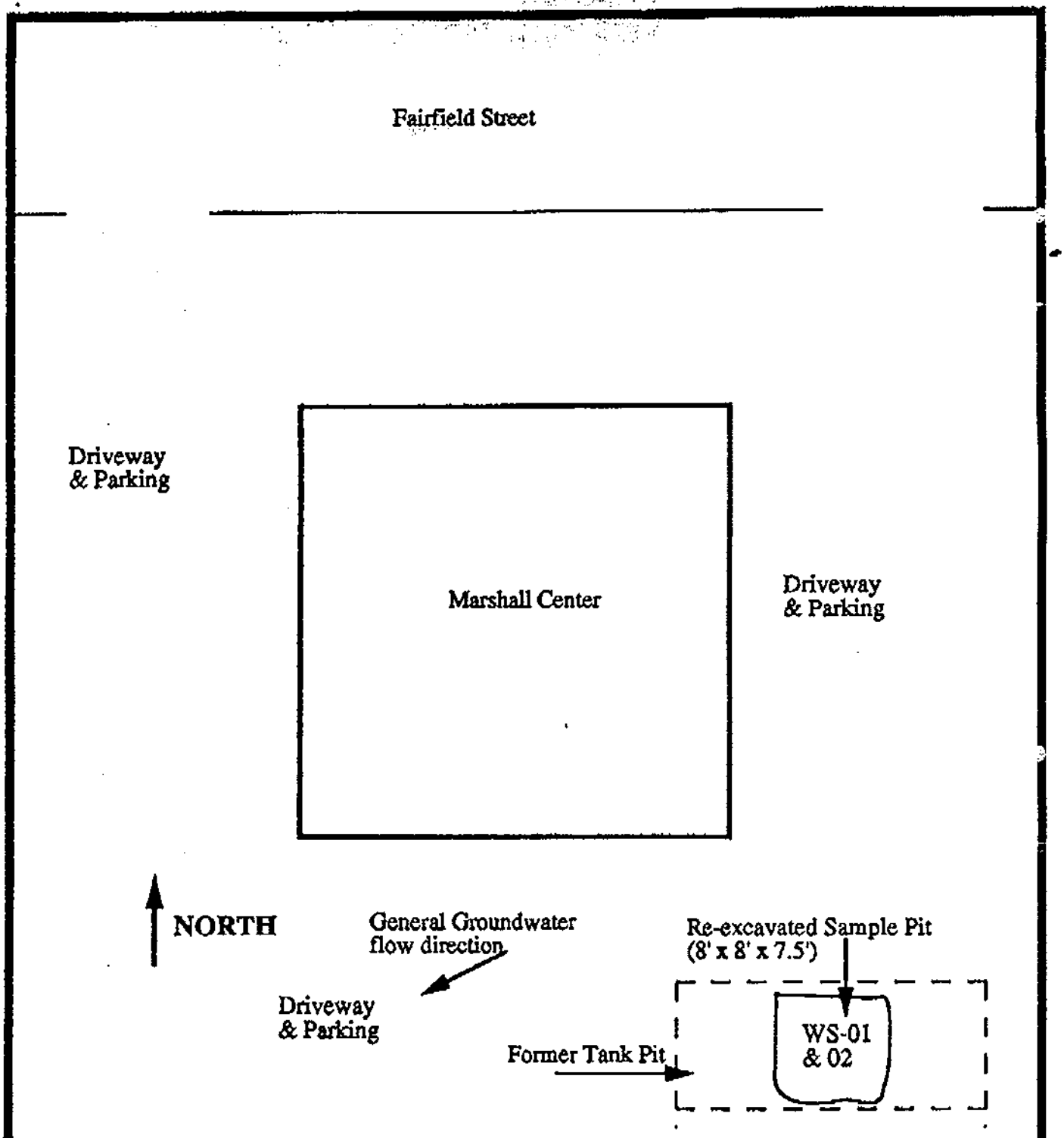
Sincerely,
ATC ENVIRONMENTAL INC.

John C. Roman

John C. Roman
Environmental Specialist

JCR/imh/20387-00012 VTH GW Results

Attachments: Site Diagram
Laboratory Analytical Results



Site Diagram

The Marshall Center
Fairfield Street
St. Albans, Vermont

Not to scale

WS-01 & 02 - Water Sample location.

ATC Environmental Inc..
Project #20387-0012
Drawn By: J. Roman
Sampling Date: June 17, 1996

con-test

(413) 525-2332
(800) 634-8165
FAX (413) 525-6405

CHAIN OF CUSTODY RECORD

39 SPRUCE ST. • EAST LONGMEADOW, MASS. 01028

Client Name: ATC Environmental Inc. Telephone: 802 434-2113
Attn: John Roman Batch #: 24676
Address: PO Box 3, Browns Trace Bldg, Richmond, VT 05477 Contest Project #: 263870017
Site Location: Marshall Cntr, St. Albans VT Client P.O. #:
Sampled By: John Roman
Call Results: Yes ____ No X
Fax Results: Yes X No ____ 6/17/96 Fax #: 802 434-2160

Field Sample I.D.	Sample Description	Lab #	DATE SAMPLED Start Date/Time	DATE SAMPLED Stop Date/Time	Composite	Grab	MATRIX: WASTE WATER	MATRIX: GROUND WATER	MATRIX: DRG WATER	MATRIX: Soil	MATRIX: Air	MATRIX: *Other	Preservative (Use Code)	Container (Use Code)	Analysis Required: EPA 418.1 Modified	Analysis Required: EPA 8020 BTEX
WS-01	FORMER TANK PIT GROUNDWATER	960264	0915		X		X						S	A	X	
WS-02	FORMER TANK PIT GROUNDWATER	10265	0930		X		X						H	V		X

CONTAINER CODE: P: PLASTIC (____ Size) V = 40 ml vial G = Glass (____ size) A = 1000 ml Amber O = Other ____

PRESERVATIVE CODE: I = ICED N = HNO_3 H = HCl S = NaOH T = $Na_2S_2O_3$ O = OTHER ____

Relinquished by: (Signature)	Date Time	Received by: (Signature)
John C. Roman	6/17 1500	UPS# N0257599 309
Relinquished by: (Signature)	Date Time 6/18/96 9:30 AM	Received by: (Signature)
Relinquished by: (Signature)	Date Time	Received by: (Signature)

Turnaround Requested: ____ 24-Hour ____ 48-Hour ____ Normal 3 DAY ____ Other 6/20/96 Date Required

Remarks/Comments:

*MATRIX OTHER ____

con-test ANALYTICAL LABORATORY
39 Spruce Street • 2nd floor • East Longmeadow, MA 01028 • FAX 413/525-6405 • Ph. 413/525-2332

ATC ENVIRONMENTAL - VERMONT
BROWNS TRACE BLDG., ROUTE 2
RICHMOND, VT 05477
ATTN: JOHN ROMAN

CONTACT: JOHN ROMAN
FIELD OFFICE: VT

PURCHASE ORDER NUMBER: RV1578

REPORT DATE: 06/20/96

ANALYTICAL SUMMARY

LIMS BAT #: L1MS-24676
JOB NUMBER: 20387-0012

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report

PROJECT LOCATION: MARSHALL CNTR., ST. ALBANS, VT

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MS-01	96B10264	GRND WATER	FORMER TANK PIT GROUNDWATER	tph (mg/l)
MS-02	96B10265	GRND WATER	FORMER TANK PIT GROUNDWATER	btex/mtbe water

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

AIHA 308	AIHA ELLAP (LEAD) 6838
MASSACHUSETTS MA100	MAINE (POTABLE/NON-POTABLE)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. 15036
NEW YORK ELAP 10899	RHODE ISLAND (LIC. No. 112)
PENNSYLVANIA DER 68-433	OHIO (ENVIRO. LEAD) # 10005
NEW HAMPSHIRE 2516	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document.

Edward Denson 6/20/96
SIGNATURE DATE

Ted Kopyscinski
Director of Operations

Edward Denson
Technical Director

con-test ANALYTICAL LABORATORY
39 Spruce Street • 2nd Floor • East Longmeadow, MA 01028 • FAX 413/525 6405 • TEL 413/525-2332

JOHN ROMAN
ATC ENVIRONMENTAL - VERMONT
BROWNS TRACE BLDG., ROUTE 2
RICHMOND, VT 05477

Contact: JOHN ROMAN
Field Office:VT

Purchase Order Number: RV1578

06/20/96
page 1 of 2

Project Location: MARSHALL CNTR., ST. ALBANS, VT
Date Received: 06/18/96

LIMS-SAT #: LIMS-24676
Job Number: 20387-0012
Sample Matrix: GRND WATER

Sampled: 06/17/96
FORMER TANK PIT GROUNDWATER
MW-02

	Units	96810265	Date Analyzed	Analyst	MDL	SPEC LIMIT	P/F
Benzene	ug/l	ND	06/20/96	MFF	0.2		
Ethyl Benzene	ug/l	ND	06/20/96	MFF	0.5		
Methyl tert-Butyl Ether (MTBE)	ug/l	ND	06/20/96	MFF	0.5		
Toluene	ug/l	ND	06/20/96	MFF	0.5		
p&m-Xylene	ug/l	ND	06/20/96	MFF	1.0		
o-Xylene	ug/l	ND	06/20/96	MFF	0.5		

Analytical Method(s):

EPA 602/SW846 8020

SAMPLES ARE CONCENTRATED BY PURGE AND TRAP FOLLOWED BY GAS CHROMATOGRAPHIC ANALYSIS WITH PHOTOIONIZATION DETECTION (PID).

MDL = Method Detection Limit
ND = Not Detected
BDL = Below Detection Limit
NM = Not Measured

SPEC LIMIT = a client specified, recommended, or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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ANALYTICAL LABORATORY

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LIMS-BAT #: LIMS-24676
Job Number: 20387-0012
Sample Matrix: GRND WATER

Sampled: 06/17/96
FORMER TANK PIT GROUNDWATER
MW-01

	Units	96810264	Date Analyzed	Analyst	MDL	SPEC LIMIT	P/F
Total Petroleum Hydrocarbons	mg/l	0.50	06/19/96	BLC	0.40		

Analytical Method(s):

EPA 418.1

INFRA-RED DETERMINATION FOLLOWING LIQUID-LIQUID EXTRACTION OF HYDROCARBONS INTO 1,1,2-TRICHLORO- 1,2,2-TRIFLUOROETHANE (FREON 113)

MDL = Method Detection Limit
ND = Not Detected
BDL = Below Detection Limit
NM = Not Measured

SPEC LIMIT = a client specified, recommended, or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab Fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 06/20/96 Lims Nat #: LIMS-24676 Page 1 of 2

QC Batch Number: QC/PID-1179

Sample Id	Analysis	QC Analysis	Value	Units	Limits
96810265	1-Cl-2-Fluorobenzene	Sur. Recovery (PID)	96.7	%	83.2-111.6
BLANK-04401	Benzene	Blank	<0.2	ug/l	
	Ethyl Benzene	Blank	<0.5	ug/l	
	Toluene	Blank	<0.5	ug/l	
	o-Xylene	Blank	<0.5	ug/l	
	p&m-Xylene	Blank	<1.0	ug/l	
	Methyl tert-Butyl Et	Blank	<0.5	ug/l	

con-test ANALYTICAL LABORATORY
39 Spruce Street • 2nd floor • East Longmeadow, MA 01028 • FAX 413/525-6405 • TEL 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab Fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 06/20/96 Lims Bat #: LIMS-24676 Page 2 of 2

QC Batch Number: TPH-0636

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-02793	Total Petroleum Hydr	Lab Fort Blank Amt.	20.30	mg/l	
		Lab Fort Blk. Found	16.84	mg/l	
		Lab Fort Blk. % Rec.	82.96	%	
		Dup Lab Fort Bl Amt.	20.30	mg/l	
		Dup Lab Fort Bl. Fnd	17.18	mg/l	
		Dup Lab Fort Bl %Rec	84.63	%	
		Lab Fort Blank Range	1.67	units	0.00-16.30
		Lab Fort Bl. Av. Rec	83.79	%	73.50-107.00